87-335

108° 32' 30" W
108° 30' 00" W
108° 25' 00" W
108° 20' 00" W
108° 15' 00" W
108° 10' 00" W

31° 47' 30" N

N

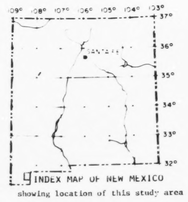
31° 45' 00" N

901-0
902-0
903-0

1-0
2-0
3-0
4-0
5-0
6-0
7-0
8-0
9-1
10-1
11-0
12-0
13-0
14-0
15-0
16-0
17-0
18-0
19-0
20-0
21-0
22-0
23-0
24-0
25-0
26-0
27-0
28-0
29-0
30-0
31-0
32-0
33-0
34-0

31° 40' 00" N

31° 35' 00" N



INDEX MAP OF NEW MEXICO
showing location of this study area

SURVEY SPECIFICATIONS

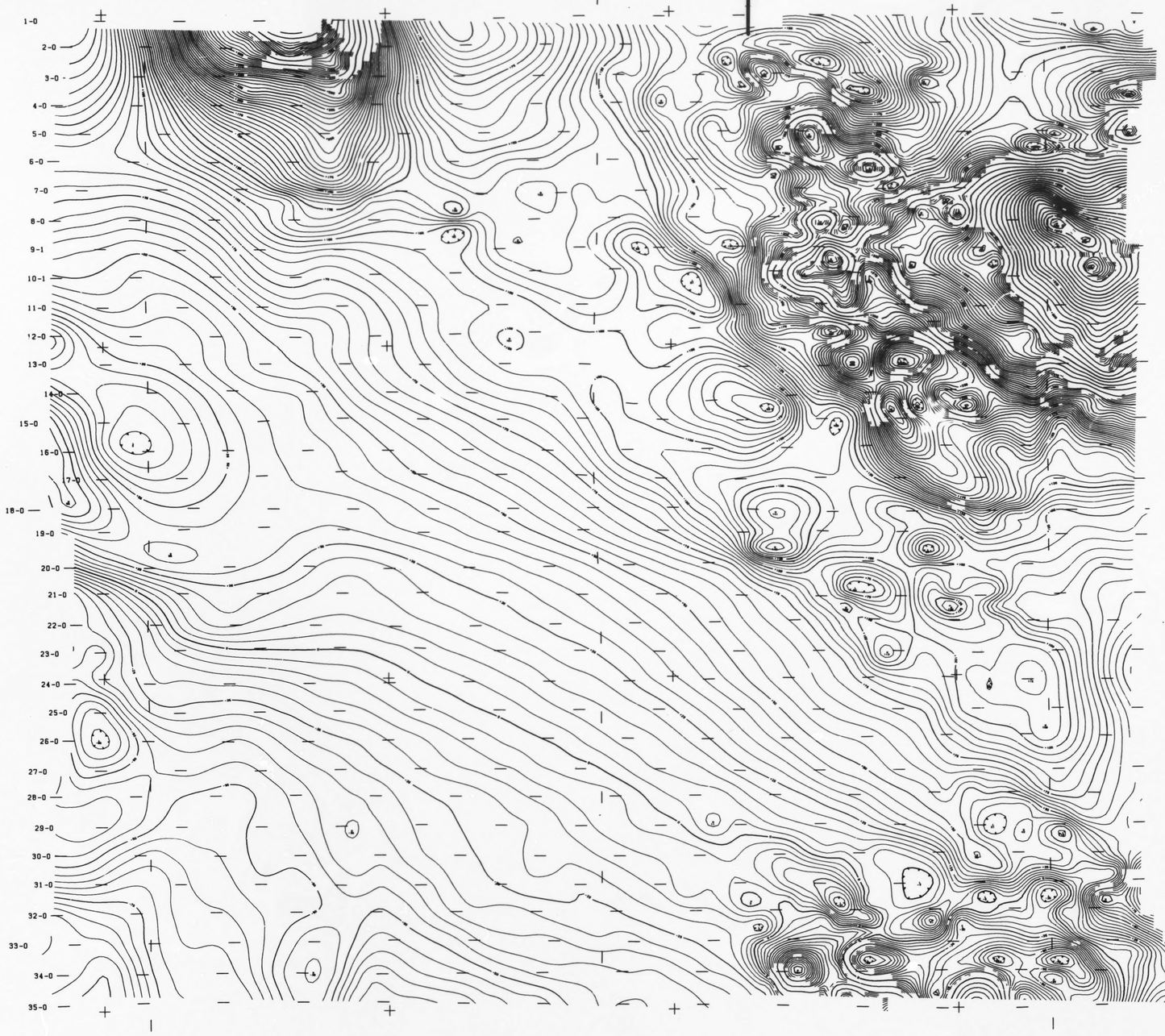
Contour Interval:		5 Gammas
Flight Line Spacing	Traverse Lines:	0.50 Mile
	Tie Lines :	12.0 Miles
Flight Line Direction:		EAST - WEST
Tie Line Direction :		NORTH - SOUTH
Sample Interval:		173.8 Feet
Flight Path Record:		JVC Color Video Camera
Digital Requisition Syutem:		GeoMetrics G-714
Latitude and Longitude interval:		5.0 Minutes
Survey Pititude:		1000 Feet MTC
Projection:		Universal Transverse Mercator
Grid Zone:		12
Spheroid:		Clarke 1866 Spheroid
Flight line recovery:		Visually to 1:24000 USGS topos
Magnetometers:		GeoMetrics G-813 Proton Precession
Sensitivity:		0.01 Gamma
Flown:		December, 1985
Flown by:		Airborne Geophysics, Inc.
Compiled by:		EG&G GeoMetrics

Corrected Total Intensity Magnetometer Value Before Removal of IGRF

X-LCTN-METERS :	735924.750
Y-LCTN-METERS :	487633.875
TIME :	10.949
MAG-CORR-ONL-GAMMAS :	49378.371

PROCESSING DETAILS:

Reference field:	1980 IGRF Updated to 1985.9
Diurnal:	Removed
Type of Filtering:	None
Leveling:	DC Bias adjusted by least squares
Interpolation Method:	Minimum Curvature with Bicubic Spline
Magnetic Declination:	11.0900 Degrees
Primary Grid Size:	365.76m by 365.76m
Tie Lines were not used in Interpolation:	
Type of Data:	Gradient Enhanced Residual Magnetic Data From Horizontal Gradiometer



31° 45' 00" N

31° 40' 00" N

31° 35' 00" N

31° 30' 00" N

31° 27' 30" N

108° 32' 30" W

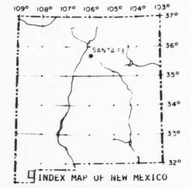
108° 30' 00" W

108° 25' 00" W

108° 20' 00" W

108° 15' 00" W

108° 10' 00" W



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AEROMAGNETIC MAP OF THE BIG HATCHET MOUNTAINS AND VICINITY, SOUTHWESTERN NEW MEXICO

BY

U.S. GEOLOGICAL SURVEY

1987

SCALE 1:50 000

1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS

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